



MP12 Parts list (1)

All the components in this list are included in the kit, except the transformers and the DOA which are optional
 Tous les composants de cette liste sont inclus dans le kit sauf les transformateurs et l' AOD qui sont optionnels

Reference	Value	Qty	Description	Marking	Dim (2)	Manuf.
R20, R33, R34	47R	3	Resistor 1%, 1/4W	YEL-VIO-BLK-BRN or YEL-VIO-BLK-GLD-BRN		
R12	68R	1	Resistor 1%, 1/4W	BLU-GRY-BLK-GLD-BRN		
R16, R17	100R	2	Resistor 1%, 1/4W	BRN-BLK-BRN-BRN or BRN-BLK-BLK-BLK-BRN		
R3, R4, R7, R29	150R	4	Resistor 1%, 1/4W	BRN-GRN-BRN-BRN or BRN-GRN-BLK-BLK-BRN		
R35, R36	180R	2	Resistor 1%, 1/4W	BRN-GRY-BRN-BRN or BRN-GRY-BLK-BLK-BRN		
R21	330R	1	Resistor 1%, 1/4W	ORG-ORG-BRN-BRN or ORG-ORG-BLK-BLK-BRN		
R13	470R	1	Resistor 1%, 1/4W	YEL-VIO-BRN-BRN or YEL-VIO-BLK-BLK-BRN		
R5, R6	560R	2	Resistor 1%, 1/4W	GRN-BLU-BRN-BRN or GRN-BLU-BLK-BLK-BRN		
R38	820R	1	Resistor 1%, 1/4W	GRY-RED-BLK-BLK-BRN		
R31	1K2	1	Resistor 1%, 1/4W	BRN-RED-BLK-BRN-BRN		
RL2	2K7	1	Resistor 1%, 1/4W	RED-VIO-RED-BRN or RED-VIO-BLK-BRN-BRN		
R1, R2	6K8	2	Resistor 1%, 1/4W	BLU-GRY-BLK-BRN-VIO		
R14, R27, R32	15K	3	Resistor 1%, 1/4W	BRN-GRN-BLK-RED-BRN		
R8	33K	1	Resistor 1%, 1/4W	ORG-ORG-BLK-RED-BRN		
R26, R28	47K	2	Resistor 1%, 1/4W	YEL-VIO-BLK-RED-BRN		
R37	56K	1	Resistor 1%, 1/4W	GRN-BLU-ORG-BRN or GRN-BLU-BLK-RED-BRN		
R23, R25, R30	100K	3	Resistor 1%, 1/4W	BRN-BLK-YEL-BRN or BRN-BLK-BLK-ORG-BRN		
R22, R24	220K	2	Resistor 1%, 1/4W	RED-RED-YEL-BRN or RED-RED-BLK-ORG-BRN		
R18, R19	560K	2	Resistor 1%, 1/4W	GRN-BLU-YEL-BRN or GRN-BLU-BLK-ORG-BRN		
R9	1M	1	Resistor 1%, 1/4W	BRN-BLK-GRN-BRN or BRN-BLK-BLK-YEL-BRN		
R10, R11, R15	2M2	3	Resistor 5%, 1/4W	RED-RED-GRN-GLD or RED-RED-BLK-YEL-BRN		
C9	100p-100V	1	Capacitor Film (not used with SK47)	100	R5	Wima
C2, C23, C24, C25	100n-100V	4	Capacitor Ceramic	104	R5	
C4, C6, C10, C11, C15	470n-100V	5	Capacitor Film	u47	R7.5	Epcos
C16	1u-50V	1	Capacitor Electro Low ESR, 105°		D5R2	Nichicon
C12, C13, C17, C18, C21, C22	33u-35V	6	Capacitor Electro Low ESR, 105°		D5R2	Nichicon
C7, C8	150u-35V	2	Capacitor Electro Low ESR, 105°		D8R3.5	Nichicon
C1, C3	180u-63V	2	Capacitor Electro Low ESR, 105°		D10R5	Nichicon
C14	1200u-16V	1	Capacitor Electro Low ESR, 105°		D10R5	Nichicon
C5	1000u-6V3	1	Capacitor Electro, Bipolar		D10R5	Nichicon
C19, C20	2200u-35V	2	Capacitor Electro Low ESR, 105°		D16R7.5	Nichicon
L1	6uH	1	Inductor			
D1, D2, D3, D4, D9	1N914	5	Signal diode	914 or 4148		
D6, D7	1N4004	2	Rectifier diode	1N4004		
D8	Z7V5-0.5W	1	Zener diode	...7V5...		
D5	Red/Green	1	2 colors LED, 2 pins		D3	
Q1	TIP126	1	PNP power darlington	TIP126		
U1	OP07	1	Low offset Op-Amp	OP07CP		

U2	TL074CN	1	Quad Op-Amp	TL074CN		
U3	LM317	1	Positive voltage regulator	LM317T or TS317		
U4	LM337	1	Negative voltage regulator	LM337T		
A1		1	Discrete Operational Amplifier			
SW1	SPDT	1	Min toggle switch on/on, short lever, red cap			
SW2	DPDT	1	Min toggle switch on/on			
SW3	DPDT	1	Min toggle switch on/off/on			
CN1, CN2	2 term	2	PCB terminal blocks		R5	
CN3	26pins	1	IDC box header			
JMP4	1x2 pins	1	SIL pin header		R2.54	
JMP3	1x3 pins	1	SIL pin header		R2.54	
JMP1, JMP5	1x4 pins	2	SIL pin header		R2.54	
Jumper		4	Jumper		R2.54	
DOA socket		7	Pin socket		D1	
TP1, TP2, TP3		3	Test pin		D1	
OP07 socket	8 pins	1	IC socket			
P2	2x1KA	1	Potentiometer	1KA	L18	Omeg
P1	1KC+20KC	1	Potentiometer	1KC-22KC	L16	Omeg
P5, P6	5K	2	Trimmer pot	502 or 5K		
P3, P4	20K	2	Trimmer pot	203 or 20K		
RLY1, RLY2		2	Relay DPDT 24V			
U1, U2, Q1heatsinks	21 K/W	3	Heatsink TO220			
Main PCB		1	PCB MP12		92x200	
Gain knob		1	Knob		D23	
Gain knob		1	Cap		D23	
Pad knob		1	Knob		D16	
Pad knob		1	Cap		D16	
Front pannel		1	MP12 front pannel			
Front pannel assembly	M3x6	2	Stainless st. screw countersunk			
PCB assembly	M3x6	4	Screw pan head			
Transfo. Assembly	M3x25	2	Screw pan head			
Transfo. assembly	M3	6	Metal washer			
Transfo assembly	M3	2	Self locking nut			
V12V2						
C2, C4	100n-100V	2	Capacitor ceramic	104 or 100n	R5	
C1, C3	33u-35V	2	Capacitor Electro Low ESR, 105°		D5R2	
CN1	20pins	1	Female socket DIL			
CN2	26pins	1	IDC box header			
U1	78L15	1	Positive voltage regulator TO92			
U2	79L15	1	Negative voltage regulator TO92			
		2	Nylon spacer 10mm			
	M3x6	2	Screw pan head			

	26 cond.		Ribbon cable		16cm	
	26 pins	2	IDC Cable Socket			
in/out connect		2	Flexible wire 0.5mm ² , Blue		8cm	
in/out connect		2	Flexible wire 0.5mm ² , Red		8cm	
Main PCB		1	PCB V12V2		237x126	

Input transformer option : Cinemag CMMI-8-PCA (1:8)

T1	CMMI-8-PCA	1	Mic input transformer 1:8			Cinemag
RL1	82K	1	Resistor 1%, 1/4W	GRY-RED-ORG-BRN or GRY-RED-BLK-RED-BRN		
RZ1	10K	1	Resistor 1%, 1/4W	BRN-BLK-ORG-BRN or BRN-BLK-BLK-RED-BRN		
CZ1	22p-100V	1	Capacitor Ceramic	22	R2.5	
Transfo. assembly		1	Double sided adhesive tape		2cm	

Input transformer option : Lundhal LL1538 (1:5)

T1	LL1538	1	Mic input transformer 1:5			Lundhal
RL1	33K	1	Resistor 1%, 1/4W	ORG-ORG-BLK-RED-BRN		
Transfo. assembly		1	Double sided adhesive tape		2cm	

Input transformer option : Lundhal LL1538 (1:2.5)

T1	LL1538	1	Mic input transformer 1:2.5			Lundhal
RL1	8K2	1	Resistor 1%, 1/4W	GRY-RED-RED-BRN or GRY-RED-BLK-BRN-BRN		
Transfo. assembly		1	Double sided adhesive tape		2cm	

Output transformer option : Cinemag CMOQ-2S

T2	CMOQ-2S	1	Line output Transformer 1+1:1+1			Cinemag
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Output transformer option : Cinemag CMOB-2H

T2	CMOB-2H	1	Line output Transformer 1:1			Cinemag
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Output transformer option : Lundhal LL1517

T2	LL1517	1	Line output Transformer 1+1:1+1			Lundhal
RZ2	680R	1	Resistor 1%, 1/4W	BLU-GRY-BLK-BLK-BRN		
CZ2	10n	1	Capacitor Film	0,01		
Transfo. assembly		1	Double sided adhesive tape		2cm	

(1) Data can be changed without notice

(2) Rx : spacing between leads or pins=x, Dx : diameter=x, Lx : Pot spindle length=x, Dimensions in mm unless differently stated

(1) Les donnée peuvent être modifiées sans préavis

(2) Rx : distance entre les pattes=x, Dx : diamètre=x, Lx : longueur axe du potentiomètre=x, Dimensions en mm sauf mention contraire

Schematic Rev 1.2

PCB Rev 1.2

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